

Title (en)

TWO-WAY DC-TO-DC VOLTAGE CONVERTERS AND CURRENT SENSOR

Title (de)

BIDIREKTIONALER GLEICHSPANNUNG-GLEICHSPANNUNG-UMFORMER UND STROMWANDLER

Title (fr)

CONVERTISSEURS DE TENSION BIDIRECTIONNELS DE TYPE CONTINU-CONTINU ET CAPTEUR DE COURANT

Publication

EP 0803067 B1 19991020 (FR)

Application

EP 96901041 A 19960110

Priority

- FR 9600040 W 19960110
- FR 9500542 A 19950113

Abstract (en)

[origin: WO9621864A1] A two-way current sensor (62) including a transformer (620) having a primary winding (Wp) in a circuit (60) through which a current (Ip) to be measured may flow, a secondary winding (Ws), a transformer demagnetising impedance (621), and a measuring resistor (r) connected to the secondary winding (Ws) via a switch (622) controlled (Hi) in such a way that it is closed when a current (Ip) may be flowing through the primary winding (Wp). The sensor is particularly useful for detecting currents in two-way voltage converters.

IPC 1-7

G01R 15/18

IPC 8 full level

G01R 15/18 (2006.01); **H02M 3/28** (2006.01)

CPC (source: EP US)

G01R 15/183 (2013.01 - EP US)

Designated contracting state (EPC)

DE DK GB IE NL SE

DOCDB simple family (publication)

WO 9621864 A1 19960718; DE 69604778 D1 19991125; DE 69604778 T2 20000203; DK 0803067 T3 20000425; EP 0803067 A1 19971029; EP 0803067 B1 19991020; FR 2729471 A1 19960719; FR 2729471 B1 19970418; JP H10512052 A 19981117; US 6121768 A 20000919

DOCDB simple family (application)

FR 9600040 W 19960110; DE 69604778 T 19960110; DK 96901041 T 19960110; EP 96901041 A 19960110; FR 9500542 A 19950113; JP 52148296 A 19960110; US 86072897 A 19970923